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Supplementary material

Medium-term effects of straw helimulching on post-fire vegetation recovery in shrublands in NW Spain

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Table S1. Mixed-model tests of treatment effects on the different vegetation variables.

1-h, less than 6 mm diameter; 10-h, 6 mm to 2.5 cm diameter; 100-h, 2.5 cm to 7.5 cm diameter.

Numerator degrees of freedom = 1; Denominator degrees of freedom = 28.

Variable	F	p
Total vegetation cover (%)	0.495	0.482
Shrub cover (%)	1.705	0.192
Weighted height (cm)	0.079	0.779
Species richness	0.221	0.639
Total fuel load, Mg ha^{-1}	0.069	0.793
Live 1-h shrub fraction, Mg ha^{-1}	0.180	0.671
Dead 1- h shrub fraction, Mg ha^{-1}	0.347	0.555
Live 10-h shrub fraction, Mg ha^{-1}	0.455	0.500
Dead 10-h shrub fraction, Mg ha^{-1}	0.111	0.739
Live 100-h shrub fraction, Mg ha^{-1}	1.193	0.275
Dead 100-h shrub fraction, Mg ha^{-1}	1.143	0.285
Litter+Duff, Mg ha^{-1}	2.692	0.067

Table S2. Spearman correlation coefficients between vegetation variables and site factors

	Altitude (m)	Exposure (º)	Soil depth (m)	Stoniness (%)	Soil burn severity
Control plots					
Vegetation cover (%)	$\rho =$ -0.715	$\rho =$ 0.580	$\rho =$ 0.645	$\rho =$ -0.531	$\rho =$ -0.139
	p = 0.003	p = 0.023	p = 0.009	p = 0.054	p = 0.623
Weighted mean height (cm)	$\rho =$ 0.719	$\rho =$ -0.441	$\rho =$ 0.708	$\rho =$ -0.711	$\rho =$ 0.228
	p = 0.003	p = 0.084	p = 0.028	p = 0.026	p = 0.591
Total fuel load (kg m^{-2})	$\rho =$ 0.446	$\rho =$ 0.429	$\rho =$ 0.542	$\rho =$ -0.683	$\rho =$ 0.273
	p = 0.096	p = 0.110	p = 0.037	p = 0.004	p = 0.328
Litter+duff load (kg m^{-2})	$\rho =$ 0.269	$\rho =$ 0.454	$\rho =$ 0.563	$\rho =$ -0.658	$\rho =$ 0.386
	p = 0.332	p = 0.089	p = 0.028	p = 0.008	p = 0.155
Mulched plots					
Vegetation cover (%)	$\rho =$ -0.679	$\rho =$ 0.697	$\rho =$ 0.557	$\rho =$ −0.461	$\rho =$ −0.229
	p = 0.005	p = 0.004	p = 0.031	p = 0.121	p = 0.413
Weighted mean height (cm)	$\rho =$ 0.651	$\rho =$ −0.046	$\rho =$ 0.718	$\rho =$ −0.644	$\rho =$ 0.371
	p = 0.009	p = 0.085	p = 0.003	p = 0.010	p = 0.174
Total fuel load (kg m^{-2})	$\rho =$ 0.285	$\rho =$ 0.470	$\rho =$ 0.547	$\rho =$ −0.653	$\rho =$ 0.349
	p = 0.303	p = 0.074	p = 0.035	p = 0.008	p = 0.202
Litter+duff load (kg m^{-2})	$\rho =$ 0.503	$\rho =$ 0.258	$\rho =$ 0.352	$\rho =$ −0.423	$\rho =$ 0.183
	p = 0.056	p = 0.354	p = 0.199	p = 0.117	p = 0.513

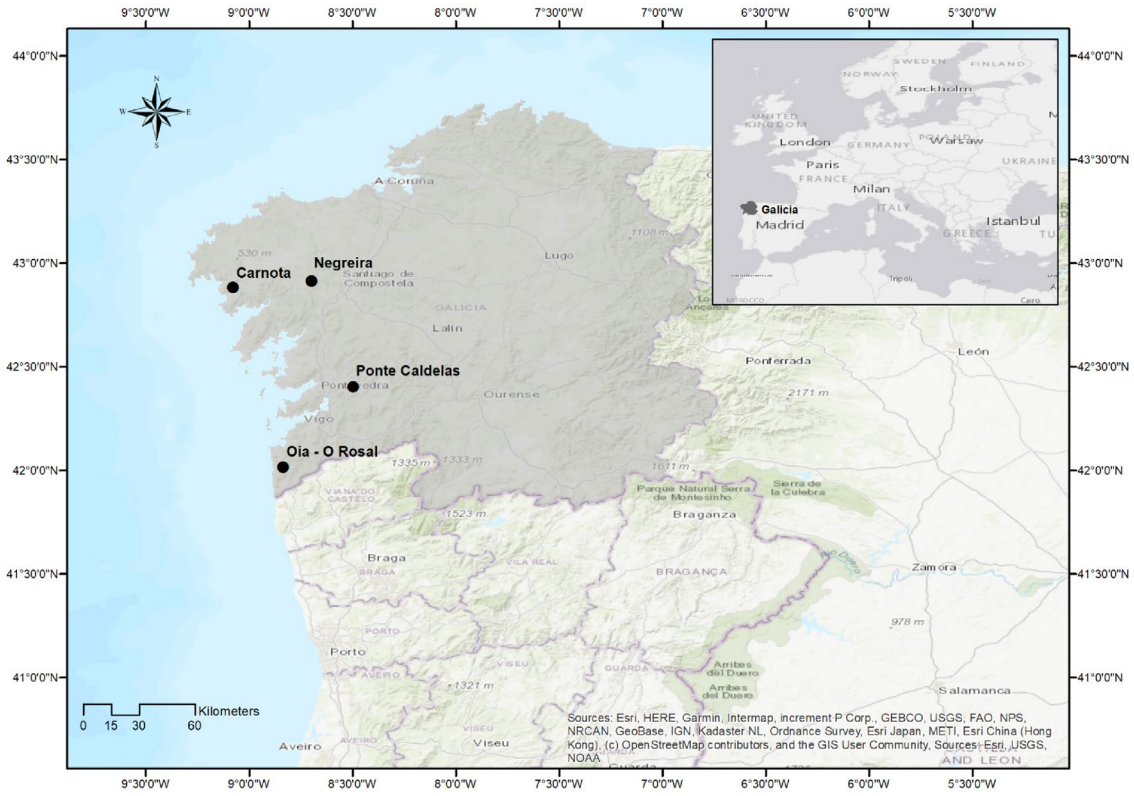

Figure S1. Location of the study sites